

WHAT IS CLAIMED IS:

1. A method for forming a stacked package of at least an upper semiconductor package unit and a lower semiconductor package unit, the method comprising:

- 5           (a) flattening leads of said upper semiconductor package unit;
- (b) shortening at least one selected lead of said upper semiconductor package unit such that the shortened said lead does not contact a lead of said lower semiconductor package unit when said upper semiconductor package unit is stacked atop said lower semiconductor package unit in a same
- 10   orientation;
- (c) stacking said upper semiconductor package unit on said lower semiconductor package unit in said same orientation;
- (d) forming a direct electrical connection between two leads of said upper semiconductor package unit; and
- 15   (e) forming direct electrical connections between leads of said upper semiconductor package units and corresponding leads of said lower semiconductor package unit.

20           2. The method of claim 1, wherein step (d) includes forming said direct electrical connection by soldering said two leads.

          3. The method of claim 1, wherein step (e) includes forming said direct electrical connections by soldering corresponding said leads.

25           4. The method of claim 1, wherein said upper and lower semiconductor package units have identical lead layouts.

          5. The method of claim 1, wherein said upper semiconductor package unit has a chip-select (CS) lead and a not-connected (NC) lead, and wherein

30   step (d) further includes forming a direct electrical connection between said CS lead and said NC lead.

6. The method of claim 5, wherein step (d) includes forming said direct electrical connection by soldering said CS lead and said NC lead.

5 7. The method of claim 1, wherein said upper semiconductor package unit has a clock-enable (CKE) lead and a not-connected (NC) lead, and wherein step (d) further includes forming a direct electrical connection between said CKE lead and said NC lead.

10 8. The method of claim 7, wherein step (d) includes forming said direct electrical connection by soldering said CKE lead and said NC lead.

15 9. The method of claim 1, wherein said upper semiconductor package unit has a chip-select (CE) lead and step (b) further includes shortening a length of said CE lead of said upper semiconductor package unit.

10. The method of claim 1, wherein said upper semiconductor package unit has a clock-enable (CKE) lead and step (b) further includes shortening a length of said CKE lead.

20 11. The method of claim 1, wherein said upper semiconductor package unit has a chip-select (CS) lead and step (e) excludes selecting said CS lead.

25 12. The method of claim 1, wherein said upper semiconductor package unit has a clock-enable (CKE) lead and step (e) excludes selecting said CKE lead.

30 13. A stacked package of semiconductor package units, the stacked package comprising:  
an upper semiconductor package unit having upper leads, an upper package, and having at least a first shortened upper lead that is electrically connected to a second upper lead;

a lower semiconductor package unit comprising lower leads and a lower package; and

an electrical connection between at least one selected upper lead and an underlying lower lead.

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14. The stacked package of claim 13, wherein said first shortened upper lead is a chip-select (CS) lead.

15. The stacked package of claim 13, wherein said first shortened upper lead is a clock-enable (CKE) lead.

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16. The stacked package of claim 13, wherein said first shortened upper lead and said second upper lead are adjacent to one another.

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17. The stacked package of claim 13, wherein a selected said lead excludes a CS lead.

18. The stacked package of claim 13, wherein a selected said lead excludes a CKE lead.

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19. The stacked package of claim 13, where said electrical connection includes solder.

20. The stacked package of claim 13, wherein said electrical connection consists of solder.

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